## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID : J. | DATE     |
|---------------------------|----------|---------|----------|
| FEE DETERMINATION         |          |         |          |
| O.I.P.E. CLASSIFIER       |          | 8       | 0/22/01  |
| FORMALITY REVIEW          | TNI      | 870     | 02 07 01 |
| RESPONSE FORMALITY REVIEW |          |         |          |

## INDEX OF CLAIMS

| ⊌ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled |   | Appeal       |
|   | Restricted                 | 0 | Objected     |

| Clair    | <u></u> T |                 |          |          | _        | Dat      | Α        |          |                 |              | $\neg$     |          | Cle      | ılm.     |          |          |                 |    | Date     | в        |              |            |              | $\neg$              |   | Cla      | im       |                 |                                     |          | 0        | ate      |          |  |          |           | ٦        |                     |
|----------|-----------|-----------------|----------|----------|----------|----------|----------|----------|-----------------|--------------|------------|----------|----------|----------|----------|----------|-----------------|----|----------|----------|--------------|------------|--------------|---------------------|---|----------|----------|-----------------|-------------------------------------|----------|----------|----------|----------|--|----------|-----------|----------|---------------------|
| Jian     | -         | e               | Т        | Т        | 7        | <u> </u> |          | $\neg$   |                 |              |            |          | ۳        | -        | $\neg$   | Т        | Т               | T  | Ī        | Ť        | $\Box$       |            | T            | $\dashv$            |   |          |          | Т               | Т                                   | Т        | T        | Т        | Т        |  | $\top$   | T         | 7        |                     |
| Fmal     | ള         | 낅               | - 1      | - 1      | -        | 1        |          |          |                 |              | - 1        |          | -a       | Original |          | - 1      |                 |    |          | - 1      |              | - 1        | - 1          |                     |   | 급        | Original |                 | Ì                                   |          | 1        |          |          |  |          |           |          |                     |
| إغ       | ٤         | 7               | -        | - 1      | -        |          |          |          |                 |              |            |          | Final    | ٩        |          | - 1      | - 1             |    | 1        | - [      |              | 1          | l            |                     |   | Final    | 8        | -               | 1                                   |          | 1        | -        | 1        | - [  | -        |           | 1        |                     |
|          | ň         | i.J             | -+       | 十        | 7        |          | $\vdash$ |          | -               | H            |            |          |          | 51       | Ħ        |          |                 | _  | 一        | $\neg$   | П            |            |              | $\neg$              |   |          | 101      |                 | $\top$                              | T        | 7        | T        | ╗        | T  | T        | Т         | 7        |                     |
| + + '    | 일         | -               | $\dashv$ | -+       | -        |          | Н        | _        | ┰               | $\vdash$     | Н          |          | $\vdash$ | 52       |          | _        | $\neg$          | 7  | _        |          | $\Box$       |            |              | $\Box$              |   | -        | 102      | $\top$          | 1                                   | 1        | 1        | T        | $\top$   | T  | ┰        | 1         | ٦        |                     |
| -        | 3         | 兯               | +        | -+       | -        | _        | $\vdash$ |          | -               | ┢            | _          |          | -        | 53       | $\vdash$ | _        | 7               | 7  | ┪        | _        | $\sqcap$     | ┪          | $\Box$       |                     |   | П        | 103      | $\top$          | $\top$                              | ╅        | $\top$   |          | _        | T  |          | ╗         | 7        |                     |
| $\vdash$ | 4         |                 | -+       | +        | ┪        |          | Н        | _        | ╁─              | ┼            | -          |          | ├─       | 54       | $\vdash$ | -        | -+              | -  | -        | $\dashv$ | $\vdash$     |            | $\dashv$     | $\vdash$            |   | Н        | 104      | _               | +                                   | 十        | +        | _        | _        | $\top$   | $\top$   | ╅         | ٦,       | 70                  |
| ┝╼┢      | 5         | -               |          | -        | -        |          | Н        |          | $\vdash$        | <del> </del> | $\vdash$   |          | -        | 55       |          | ┪        | _               | 7  |          | _        | П            |            |              | П                   |   | _        | 105      | +               |                                     | 1        | _        | 1        | 1        | 寸  | 1        | $\top$    | ٦,       | rin                 |
| $\vdash$ | 6         | -               | $\dashv$ | -        | -        |          | -        | <u> </u> | -               | $\vdash$     | $\vdash$   |          | -        | 56       | $\vdash$ | -        | -               | ┪  | -        | _        | Н            |            |              | Н                   |   | $\vdash$ | 108      | $\top$          | $\top$                              | +        | +        | $\top$   | 1        | 寸  |          | 1         |          | ( A                 |
| ⊢┼       | 7         |                 | -        |          | -        | _        | ├─       | $\vdash$ | -               | ╁            | -          |          | $\vdash$ | 57       |          | -        | +               | -  | $\vdash$ | _        | $\vdash$     | $\vdash$   | Н            | Н                   |   |          | 107      | $\top$          | 1                                   | $\top$   |          | _        | 十        | $\dashv$   | _        | 1         | 7        |                     |
| ⊢        | 8         |                 | -        |          |          | -        | -        | -        | ┢               | +-           | ├─         | ŀ        | $\vdash$ | 58       | $\vdash$ | -        | -               | _  | -        |          | $\vdash$     | $\vdash$   | Н            | $\vdash$            |   | Н        | 108      | $\neg$          | _                                   | $\top$   | +        | $\top$   | ┪        | $\top$   | _        | ┪         | 7        | ~                   |
| ┝╼┼      | _         | $\dashv$        |          | -        | -        | _        | ┝        | -        | ┼               | ╁╴           | -          |          | ⊢        | 59       |          | $\dashv$ | -               | -  | Н        |          | $\vdash$     |            | $\vdash$     | Н                   |   | -        | 109      | $\dashv$        | $\dashv$                            | +        | +        | Ť        | 十        | $\dashv$   | $\top$   | ╅         | 7        |                     |
| $\vdash$ | 9         | $\vdash$        | -        | -        |          |          | ├        | ├        | ╁               | ╁            | ⊢          | 1        | $\vdash$ | 60       | -        |          | -               |    | -        | _        | ╁┯┥          | $\vdash$   | -            | H                   |   |          | 110      | _               | $\dashv$                            | +        | 1        | 十        | _        | _  | 1        | +         | ┪        | Sec. 1              |
|          | 10        | Н               |          |          | _        | <u> </u> | ⊢        | ├        | ╁               | ╁╾           | ├          | ł        | -        | 61       | Н        | $\dashv$ |                 | _  | $\vdash$ |          | Н            | -          | -            | $\vdash$            |   | -        | 111      | $\dashv$        | 十                                   | 十        | -        | +        | 寸        | $\dashv$   | $\dashv$ | +         | 1        | 5                   |
| -        |           |                 | _        | -4       |          | -        |          | ⊢        | ╀               | ╀            | ⊢          | 1        | -        | 62       | -        |          | $\dashv$        | _  | $\vdash$ | Н        | Н            | ┢          | $\vdash$     |                     |   |          | 112      | $\dashv$        | 十                                   |          | +        | 十        | -+       | -  | +        | 十         | ┪        |                     |
| 1        | 12        | $\vdash \vdash$ | 4        |          | _        | -        | -        | -        | <del> </del> —  | +-           | -          | ł        | $\vdash$ | 63       | $\vdash$ | $\vdash$ | $\dashv$        |    | -        |          | H            | -          | -            | H                   |   | -        | 113      | $\vdash$        | +                                   | +        | +        | +        | $\dashv$ | 十  | +        | +         | $\dashv$ | 1                   |
| -        | 13        | Н               | _        | $\angle$ |          |          | +        | -        | ┼               | +            | -          | ł        | -        | 64       | $\vdash$ | Н        | $\vdash$        |    | $\vdash$ | -        | $\vdash$     | $\vdash$   | -            | $\vdash$            |   | $\vdash$ | 114      | $\vdash \vdash$ | +                                   | +        | +        | $\dashv$ | $\dashv$ | +  | +        | +         | $\dashv$ |                     |
|          | 14        | Ш               |          |          | _        | <u> </u> | 1        | ⊢        | 1-              | +-           | <b>├</b>   | ł        | -        | -        | $\vdash$ | Н        | $\vdash$        | _  | ├-       | -        | -            | $\vdash$   | ├            | -                   |   | $\vdash$ | 115      | $\vdash$        | +                                   | +        | +        | +        | $\dashv$ | -+   | $\dashv$ | +         | $\dashv$ | BEST AVAILABLE COPY |
|          | 15        | Ш               |          |          | _        | _        | ↓        | -        | +               | +-           | <b>├</b> - | -        | $\vdash$ | 65       |          |          | H               | _  | ├        | -        | ╁            | ⊢          | ⊢            | +                   | ł | $\vdash$ | 116      | $\vdash$        | $\dashv$                            | +        | +        | -+       | -        | $\dashv$   | +        | ┰         | $\dashv$ |                     |
|          | 16        | Ш               |          | Щ        |          | _        | $\vdash$ | -        | $\bot$          | 1            |            | -        | $\vdash$ | 66       | ₩        | $\vdash$ | $\vdash \vdash$ |    | $\vdash$ | -        | <del> </del> | 1          | ├-           | ⊢                   | 1 | $\vdash$ | 117      | $\vdash$        | -                                   | +        | $\dashv$ | +        | $\dashv$ |  | +        | +         | $\dashv$ |                     |
| _        | 17        |                 |          | Ш        | _        | ┖        | ↓        | ↓_       | ╄               | 1            | <u> </u>   |          | L        | 67       | ┡        | L        | Н               | _  | ļ        | ⊢        | ┰            | <b>├</b> — | ⊢            | ├                   | l | -        | _        | $\vdash$        | ┥                                   | +        | -+       | $\dashv$ |          | -  | +        | 十         | -1       | Bi C D              |
| $\vdash$ | 18        | $\Box$          |          |          |          | 1_       | <u> </u> | 1_       | 1               | ↓_           | Ļ          |          | $\perp$  | 68       | +        | _        | Ш               |    | L        | ┡        | ┼            | ⊢          | -            | ├-                  | - | $\vdash$ | 118      |                 | -+                                  | +        | $\dashv$ |          | $\dashv$ | -  | $\dashv$ | -+        | $\dashv$ | 6                   |
| Ш        | 19        |                 |          |          |          | L        |          | L        | _               |              | <u> </u>   | 1        | L        | 69       | L        | L        | Ц               | _  | ļ        | L        | ↓_           | 辶          | ↓_           | ᄂ                   | 1 | $\vdash$ | 119      |                 | -                                   | 4        | -        | -        |          | -  | -        | +         | 4        | 0 0                 |
|          | 20        |                 |          |          |          | 1        |          |          | 1               |              | İ          | İ        |          | 70       | 1        |          |                 |    |          | <u> </u> |              |            |              |                     |   | L        | 120      |                 |                                     | _        | _        | _        |          | _  | _        | _         | _        |                     |
| Н        | 21        |                 |          |          |          |          | 1        | T        | T               | 1            |            | 1        |          | 71       | Г        |          |                 |    | Γ        |          | П            |            |              | L                   |   |          | 121      |                 |                                     | $\perp$  |          |          |          |  |          |           | ┙        |                     |
|          | 22        | Т               |          |          |          | Т        |          | Τ        | $\top$          | $\top$       | T          | 1        |          | 72       |          |          |                 |    |          | Π        | Π            |            |              |                     | ] |          | 122      |                 |                                     |          |          |          |          |  | l        | _         |          |                     |
| Н        | 23        |                 |          | $\vdash$ | Г        | 1        | 1        | T        | 1               | 1            | T          | 1        | Г        | 73       |          | Г        | П               |    | Π        |          | Т            |            | Т            | Π                   | ] | Г        | 123      |                 |                                     |          |          |          |          |  |          |           |          |                     |
|          | 24        |                 | -        | $\vdash$ |          | ✝        | $\top$   | $\top$   | +               | 1            | T          | 1        |          | 74       | i        |          | Ħ               |    | 1        | Г        | Τ            | П          | T            |                     | 1 | Г        | 124      | П               | T                                   |          |          |          |          |  |          |           |          |                     |
|          | 25        | _               |          | <u> </u> |          | $\vdash$ | 1        | ╈        | +               | ╈            | 1          | 1        |          | 7:       | 5        | T        | П               |    |          |          | Т            | Т          | T            | Τ                   | 1 | Г        | 125      | П               |                                     |          | П        |          |          |  |          |           |          |                     |
| $\vdash$ | 26        |                 | _        | -        | $\vdash$ | H        | +        | +        | +               | +            | T          | 1        | $\vdash$ | 76       |          | $\vdash$ | T               |    | T        | Г        | T            | Τ          | T            |                     | 1 |          | 128      |                 |                                     |          | ヿ        | П        |          |  | $\Box$   |           | $\neg$   |                     |
| -        | 27        |                 | -        | ┢        | ┪        | +-       | +-       | +        | +               | 十            | +-         | 1        | $\vdash$ | 77       |          | Г        | Г               | Г  | T        | T        | 1            | 1          | Τ            | 1                   | 1 |          | 127      | M               |                                     |          |          |          |          |  | T        |           | 目        |                     |
| $\vdash$ | 28        |                 | Н        | $\vdash$ | ┢        | ╁╴       | ╈        | ╈        | ╅               | 十            | ╁╴         | 1        | $\vdash$ | 78       |          | 1        | 1               | -  |          | T        | $\top$       | $\vdash$   | 1            |                     | 1 | Г        | 128      |                 |                                     | 寸        |          |          |          |  |          |           | ٦        |                     |
| $\vdash$ | 29        |                 | ┢        | ╁        | ╁        | ┿        | ╁        | ╁        | ╁               | +            | ╁          | 1        | -        | 75       |          | 1        | 1               | Н  | 1        | $\vdash$ | $\top$       | T          | T            | 1                   | 1 | $\vdash$ | 129      |                 |                                     | $\neg$   | ╗        | $\neg$   |          |  |          | T         |          |                     |
| -        | 30        |                 | ⊢        | ╫─       | ⊢        | ╁╌       | ╁        | ╁        | +               | +-           | ╁          | 1        | $\vdash$ | 8        | -        | $\vdash$ | ╁               | Н  | ✝        | ✝        | +-           | t          | +            | +                   | 1 |          | 130      |                 | $\neg$                              | 7        |          | 一        |          |  |          | _         | $\neg$   |                     |
| $\vdash$ | 31        | _               | -        | ╢        | ⊢        | ╁╴       | +        | ╁        | +               | +            | ╁          | ┨        | $\vdash$ | 8        | _        | ╫        | 1               | -  | ╅┈       | $\vdash$ | +-           | +          | +            | T                   | 1 |          | 13       |                 |                                     | 寸        | _        | _        |          |  |          | 寸         | ヿ        |                     |
| $\vdash$ | 32        | _               | ⊢        | ╁╌       | ┢        | +-       | ╫        | ╁        | +               | ╅            | ╁╌         | ┨        | -        | 8        |          | ╁        | +-              | ╁  | +-       | ╁        | ╁            | ╁╌         | +            | +                   | 1 | $\vdash$ | 132      |                 |                                     | 一        | _        |          |          |  |          | $\neg$    | ┪        |                     |
| $\vdash$ | -         | -               | ┝        | -        | ├-       | ╁        | +        | ╁        | +               | ∔            | ╀          | ┨        | $\vdash$ | 8        |          | ╁╾       | ╁               | ╁╴ | ╁╴       | +        | +-           | ╁          | +-           | ╁                   | 1 | $\vdash$ | 133      |                 |                                     |          | $\neg$   | $\neg$   | _        | $\vdash$   | Н        | $\neg$    | 一        |                     |
| _        | 33        | _               | ├        | $\vdash$ | ╁        | ╀        | +        | +-       | ╁               | +            | ╁          | -        | $\vdash$ | 8        | _        | ╁╌       | ╁               | ╁╾ | ╁        | ╁        | ╁╴           | +          | ╁╌           | +                   | ┨ | $\vdash$ | 13       |                 | -                                   | -        |          | $\dashv$ | _        | $\vdash$   | Н        | _         | ᅥ        |                     |
| $\vdash$ | 34        |                 | -        | -        | $\vdash$ | +        | +-       | +        | +               | +-           | +-         | 4        | $\vdash$ | 8        | _        | +-       | +-              | ┢  | +        | +        | +            | +          | +            | ╁                   | 1 | -        | 13       |                 | $\vdash$                            | -        | -        | $\vdash$ | $\vdash$ |  | Н        | $\vdash$  | ㅓ        | ı                   |
| -        | 35        |                 | $\vdash$ | ┼        | ╀        | ╀        | ╁        | +        | +               |              | +          | ┨        | -        | 8        | _        | +        | +-              | ╁  | +        | ╁        | ┿            | +          | +            | +                   | 1 | $\vdash$ | 13       |                 | Н                                   |          | -        | H        | $\vdash$ | <del>                                     </del> | Н        |           | $\dashv$ |                     |
| -        | _         | _               | 1        | ⊢        | ╀        | +-       | +        | +-       | +               | +            | +          | $\dashv$ | $\vdash$ | 8        | -        | +        | +               | ╁  | +        | +        | +            | +-         | +            | +-                  | 1 | $\vdash$ | 13       |                 | Н                                   | $\dashv$ | $\dashv$ |          | $\vdash$ | $\vdash$   | H        | H         | $\dashv$ |                     |
| -        | 37        |                 | ├-       | ⊢        | ╀        | +-       | +        | +        | +               | +            | ╀          | ┨        | $\vdash$ | 8        | _        | +        | +               | ╀╌ | +        | +        | +            | ╁╴         | +            | +-                  | ┨ | $\vdash$ | 131      | _               | Н                                   | $\dashv$ | -        |          | -        | $\vdash$   | $\vdash$ | $\vdash$  | ᅥ        |                     |
| _        | 38        | -               | 1        | ⊢        | ╀        | +        | +        | +        | 4               | +            | +          | 4        | $\vdash$ | _        | -        | ₽÷       | +               | ╁  | ╀        | +        | +            | +-         | +            | +-                  | 4 | $\vdash$ | _        | —               | $\vdash$                            | Н        |          | ٠        |          | $\vdash$   | $\vdash$ |           | $\dashv$ |                     |
| L_       | 38        | -               | L        | 1        | 1        | ╀        | 4        | $\perp$  | $\perp$         | _            | ╀          | 4        | <u> </u> | 8        | -        | +        | +               | ╀  | +        | +        | ╀            | +          | +-           | ╁                   | - | $\vdash$ | 131      | +               | $\vdash$                            | $\dashv$ | -        | $\vdash$ | ⊢        | ╁  | -        | Н         | -        | Í                   |
|          | 40        | 1               | L        |          | L        | L        | $\perp$  | $\perp$  | $\perp$         | $\perp$      | $\perp$    | 1        | L        | 9        | -        | ╄-       | <del> </del>    | L  | 4        | 1        | $\bot$       | 4-         | 4-           | 4                   | 4 | $\vdash$ | 14       | -               | $\vdash$                            | Щ        |          | <u> </u> | -        | ₩  | $\vdash$ | Н         | _        | 1                   |
|          | 4         | ıĹ              | L        | L        | L        | L        |          |          | $\perp$         | $\perp$      | $\perp$    | ⅃        | L        | 9        | _        | $\perp$  | $\perp$         | L  | ┸        | $\perp$  | 1            | 1_         | 丄            | $\perp$             | 1 | L        | 14       |                 | $\sqcup$                            | Щ        | _        | L        | <u> </u> | <u> </u>   | $\vdash$ | Щ         |          |                     |
|          | 42        | 2               | Γ        | Γ        | Γ        | Γ        | Ι        | Ι        | $oldsymbol{	o}$ | $oxed{oxed}$ | Ι          | 1        |          | 9        | _        | L        |                 | L  | L        | L        | _            | 1          | 1            | $\perp$             | 1 | L        | 14       |                 |                                     | Ц        | _        | L        | _        | ↓_   | ـــــ    | Ш         |          | ĺ                   |
|          | 4         | 3               | Π        | Т        | Γ        | T        | Τ        | Τ        | Т               | T            | Τ          | ]        |          | 9        |          |          |                 | L  |          | L        | $\perp$      | ┸          | ᆚ            | $\perp$             | 1 | L        | 14       |                 | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | <u> </u> | <u> </u> | <u> </u> | L  | L        | Ш         |          | l                   |
|          | 4         | 4               | T        | ,        | Τ        | T        | Τ        | T        | 1               |              | Т          | 1        |          | 9        | 4        | I        | $\Gamma$        | Γ  |          | I        | Ĺ            |            | Ĺ            |                     |   | L        | 14       |                 |                                     |          | _        | L        | L        |  | L        | <u>L_</u> |          | ĺ                   |
| $\vdash$ | 4         |                 | T        | 1        | T        | T        | 1        | +        | 1               | 1            | 十          | 1        |          | 9        | 5        | Ι        | Ι               | Γ  | Τ        | Ι        | I            | Ι          | $\mathbf{I}$ | $\mathbf{I}$        |   |          | 14       | 5               |                                     |          |          |          |          |  |          |           |          | l                   |
|          | 40        |                 | †        | 1        | T        | T        | 十        | +        | +               | $\top$       | Τ          | 7        |          | 9        | 6        | T        | Т               | Γ  | Τ        | Γ        | $\perp$      | I          | Ι            | $oldsymbol{\Gamma}$ | ] |          | 14       |                 |                                     |          |          |          | Ĺ        | $\Box$   | Ĺ        |           |          | 1                   |
|          | 47        | _               | T        | 1        | T        | T        | +        | T        | +               | ╅            | ╅          | 1        |          | 9        |          | T        | Τ               | Г  | Т        | Т        | T            | T          | T            | Т                   | 1 | Γ        | 14       | 1               |                                     |          |          | l _      |          | Γ  |          |           |          | 1                   |
| -        | 48        |                 | t        | T        | +        | T        | +        | +        | +               | +            | ╅          | 1        | -        | 9        |          | T        | T               | T  | $\top$   | Τ        | $\top$       | 1          | Τ            | Τ                   | 1 | Γ        | 14       | 8               |                                     |          |          |          |          |  |          |           |          | j                   |
|          | 45        |                 | ╁        | $t^{-}$  | +        | T        | +        | +        | +               | +            | +          | 7        | 1        | 9        | _        | T        | $\top$          | T  | 1        | $\top$   | T            | Τ          | ┰            | T                   | 1 |          | 14       |                 |                                     |          |          |          | Γ        | Π  | Π        |           |          | ]                   |
| $\vdash$ | 50        |                 | +        | ╁        | +        | +        | +        | +        | +               | +            | +          | 1        | 1        | 70       |          | +        | 1               | T  | 1        | $\top$   | ╁            | 1          | $\top$       | Т                   | 7 | $\sqcap$ | 15       | d               |                                     | Г        |          | Γ        | Г        |  | Т        | Γ         |          |                     |

If more than 150 claims or 10 actions staple\_additional sheet here